

IAP20 Rec'd PCT/PTO 24 JAN 2006

## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q92767

Tomoharu KIYUNA, et al.

Appln. No.: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Filed: January 24, 2006

Examiner: Not Yet Assigned

For: METHOD OF EVALUATING CHROMOSOME STATE AND EVALUATION SYSTEM

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Luis A. Parada, et al. "CHROMOSOME POSITIONING IN THE INTERPHASE NUCLEUS," TRENDS in Cell Biology, Vol. 12, No. 9, September 2002.

2. Hideyuki Tanaba, "CHROMOSOME TERRITORY: RECENT ADVANCEMENT OF STUDIES ON INTERPHASE CHROMOSOME POSITIONING IN RELATION TO NUCLEAR ARCHITECTURE," Environmental Mutagen Research, Vol. 25, No. 1, 2003.

3. Japanese Patent Publication No. 5-172810, published July 13, 1993 (with English Abstract).

INFORMATION DISCLOSURE STATEMENT  
National Stage Entry of PCT/JP2004/010852

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4. T. Cremer, et al. "CHROMOSOME TERRITORIES, NUCLEAR ARCHITECTURE AND GENE REGULATION IN MAMMALIAN CELLS," Nature Reviews, Genetics, Volume 2, April 2001.

5. Japanese Patent Publication No. 2001-92980, published April 6, 2001 (with English Abstract).

One copy of each of the listed documents is submitted herewith, except for those listed in the International Search Report. It is assumed that copies of the cited references from the International Search Report will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents Applicant submits the International Search Report which cites reference Nos. 1-3 and indicates the degree of relevance found by the Foreign Office. Applicant also states that reference No. 6 is discussed within the specification, beginning at page 2, line 7.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

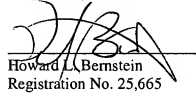
**10/565669**

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,

  
Howard L. Bernstein  
Registration No. 25,665

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

Date: January 24, 2006

Substitute for Form 1449 A & B/PTO		Complete if Known Application Number <b>2005-015669</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		Confirmation Number	Not Yet Assigned
		Filing Date	January 24, 2006
		First Named Inventor	Tomoharu KIYUNA
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
		Attorney Docket Number	Q92767
Sheet	1	of	1

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>4</sup>
		Country Code <sup>2</sup>	Number <sup>3</sup>	Kind Code <sup>2</sup> (if known)			
		JP	5-172810	A	07-13-1993	KAGAKU GIHITSU/CHO et al	Abstract
/LC/		JP	2001-92980	A	04-06-2001	NEC CORP	Abstract

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issues number(s), publisher, city, and/or country where published.	Translation <sup>4</sup>
/LC/		Luis A. Parada, et al. "CHROMOSOME POSITIONING IN THE INTERPHASE NUCLEUS," TRENDS in Cell Biology, Vol. 12, No. 9, September 2002.	
/LC/		Hideyuki Tanaba, "CHROMOSOME TERRITORY: RECENT ADVANCEMENT OF STUDIES ON INTERPHASE CHROMOSOME POSITIONING IN RELATION TO NUCLEAR ARCHITECTURE," Environmental Mutagen Research, Vol. 25, No. 1, 2003.	
/LC/		T. Cremer, et al. "CHROMOSOME TERRITORIES, NUCLEAR ARCHITECTURE AND GENE REGULATION IN MAMMALIAN CELLS," Nature Reviews, Genetics, Volume 2, April 2001.	

Examiner Signature	/Lori Clow/	Date Considered	06/13/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.